(3) Grinding the non-masking portion of the partition material layer by a sandblaster until the dielectric layer 24 is exposed (the partition material layer is patterned).

(4) Performing a heating process according to the baking profile shown in Fig. 6 to bake the partition material layer so that the partition 29 is formed.

IN THE CLAIMS

Please REPLACE claims 1-11 and ADD claims 12-15 with the following.

1. (AS ONCE AMENDED HEREIN) A plasma display panel having a display surface, comprising:

a pair of spaced substrates defining a gap therebetween;

a discharge gas filled in the gap between the substrates; and

a mesh-patterned partition, disposed between respective inner surfaces of the substrates and extending over all of the display surface, dividing the gap into a cell arrangement of plural gas-filled cells, each cell having a surrounding partition sidewall, portions of the respective surrounding sidewall of the plural gas-filled cells forming mesh-like air paths extending through all of the plural gas-filled cells and to a periphery of the partition.

2. (AS ONCE AMENDED HEREIN) The plasma display panel according to claim 1, wherein portions of the partition sidewalls are lowered to form the mesh-like air paths, a difference between respective heights of the lowered portions and the other portions upper surface of the partition sidewalls is more than 5% of a maximum height of the partition.

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3. (AS ONCE AMENDED HEREIN) The plasma display panel according to claim 12, wherein portions of the partition sidewalls are lowered to form the mesh-like air paths, a difference between respective heights of the lowered portions and an upper surface of the partition sidewall being more than 10 μm.

4. (AS ONCE AMENDED HEREIN) The plasma display panel according to claim 1, wherein a fluorescent material is arranged on a row direction side and a column direction side of the respective partition sidewall of each of the cells.

5. (AS ONCE AMENDED HEREIN) The plasma display panel according to claim 1, wherein the cells in the row direction and in the column direction form a matrix display and an inter-row portion of the partition, that forms a boundary wall between adjacent rows, is of a lower height than other portions of the partition.

6. (AS ONCE AMENDED HEREIN) The plasma display panel according to claim 5, wherein the inter-row portion defines at least one space for each column.

7. (AS ONCE AMENDED HEREIN) The plasma display panel according to claim 6, wherein the inter-row portion has a ladder pattern.

8. (AS ONCE AMENDED HEREIN) The plasma display panel according to claim 5, wherein the partition is arranged on a back substrate, an electrode including a transparent conductive film and a metal film extending over all columns is arranged on the front substrate, and the metal film and the inter-row portion are overlaid .

9. (AS ONCE AMENDED HEREIN) The plasma display panel according to claim 1, wherein the partition is formed of a baked material having a heat shrink property, and a width of the reduced height portions of the partition sidewalls is greater than a width of the other portions of the sidewalls of the partition.

10. (AS ONCE AMENDED HEREIN) A method for manufacturing a plasma display having a display screen, comprising:

forming a layer of a material having a heat shrink property on a substrate;

patterning the layer to define a mesh-patterned partition extending over all of the display screen and defining a cell arrangement of plural cells, each cell having a partition sidewall, portions of the respective surrounding sidewalls of the plural cells forming mesh-like air paths extending through all of the plural cells and to a periphery of the mesh-patterned partition; and

forming the partition by baking the patterned layer.

11. (AS ONCE AMENDED HEREIN) The method according to claim 10, wherein the patterning further comprises placing a cutting mask corresponding to the cell arrangement on the layer, and cutting non-masked portions of the layer by sandblasting.

Please ADD the following NEW claims:

312. (AS NEW HEREIN) The plasma display panel according to claim 1, wherein spaced, opposed portions of the respective sidewalls of the plural cells, aligned in row and column directions, are of a reduced height, relative to other portions of the respective sidewalls of the plural cells, thereby forming corresponding air paths.

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13. (AS NEW HEREIN) The plasma display panel according to claim 3 12, wherein the air paths extend continuously over a complete length of each of the row and column directions.

14. (AS NEW HEREIN) A plasma display panel having a display surface, comprising:

a pair of substrates having parallel, spaced and opposed respective inner surfaces defining a gap therebetween;

a discharge gas filled in the gap between the substrates; and

a mesh-patterned partition disposed between the respective inner surfaces of the substrates and dividing the gap into a cell arrangement of plural gas-filled cells in plural, transverse rows and columns covering the display surface and in which the partition defines a surrounding sidewall for each cell, spaced and opposed portions of the respective sidewalls of the plural cells, aligned in both the row and column directions, defining corresponding air paths in the row and column directions, that travel through all of the gas-filled cells to a periphery of the partition.

15. (AS NEW HEREIN) A method for manufacturing a plasma display having a display screen having a pair of first and second substrates and a discharge gas filled in a gap between the substrates, comprising:

forming a layer, of a material having a heat shrink property, on a major surface of the first substrate;

patterning the layer to define a mesh-patterned partition arranged on the inner surface of one of the substrates, dividing the gap into a cell arrangement of plural gas-filled cells in plural, transverse rows and columns and covering the display surface and